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ABSTRACT OF THE DISCLOSURE

An optical fiber cable has a highly reduced diameter. The cable has a central strength member; a number of tubes containing loosely arranged optical fibers, each tube having a thickness, and each optical fiber having a coating; and a protective outer jacket, wherein the filling coefficient of optical fibers in at least one loose tube is $\geq 45\%$. The tubes are made of a material having an elasticity modulus ≥ 700 MPa; and the optical fibers are SM-R fibers having a microbending sensitivity $\leq 4.0 \text{ dB} \cdot \text{km}^{-1} / \text{g} \cdot \text{mm}^{-1}$ at a temperature of about -30°C to $+60^{\circ}\text{C}$ at about 1550nm.